



## Infosys Logical Reasoning Questions and Answers with Explanation

1. Pointing to a lady, Arun said: “The son of her only brother is the brother of my wife”. How is the lady related to Arun?

- A. Mother’s sister
- B. Sister of father-in-law
- C. Maternal aunt
- D. Grandmother
- E. Mother-in-law

**Answer - B.** Sister of father-in-law

**Explanation:**

Her brother is Arun’s father-in-law, so she is the sister of father-in-law

2. Pointing to a person, Arun said to Sarika, “His mother the only daughter of your father.” How is Sarika related to that person?

- A. Mother
- B. Aunt
- C. Daughter
- D. Mother-in-law
- E. Sister

**Answer - A.** Mother

**Explanation:**

Sarika’s father’s only daughter means Sarika herself, so Sarika is a mother to that person (pointed to by His)

3. Condition: While:: Iteration: ?

- A. If
- B. For
- C. Auto
- D. Do

**Answer - B.** For

**Explanation:** Function: Keyword

4. North: Jammu & Kashmir:: East



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- A. Gujarat
- B. Andhra Pradesh
- C. Manipur
- D. Uttar Pradesh

**Answer - C. Manipur**

**Explanation:** Direction: State

### 5. Less: Few:: Measure:?

- A. Measurement
- B. Count
- C. Weight
- D. Much

**Answer - B. Count**

**Explanation:** Quantity: Number

**6. In a row of ten girls, when Harini was shifted by two places towards the left, he became fourth from the left end. What was his earlier position from the left end of the row?**

- A. 2nd
- B. 5th
- C. 4th
- D. 7th

**Answer - D. 7th**

**Explanation:**

A number of boys in the row = 10.

Then  $10 - 2 - 1 = 7$ th from the left

Hence, his earlier position from the left end of the row was 7th.

**7. In a class of 90 students, the numbers of boys are twice the number of girls. Swathi is 58th from the left end and there are 20 boys to the right of Swathi, then the number of girls to the left of Swathi?**

- A. 17
- B. 19
- C. 15
- D. 16



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**Answer – A. 17**

**Explanation:**

Number of boys = 60

Number of girls = 30

(57 students) Swathi (20 boys) (12 girls)

So, number of girls to the left of Swathi =  $30 - 12 - 1 = 17$

**8. If Anand Kumar finds that he is fourteenth from the left end and 7 from the right end, then how many boys must be added to the line such that there are 30 boys in the line?**

A. 12

B. 14

C. 8

D. 10

**Answer – D. 10**

**Explanation:**

(13 boys) Anand Kumar (6 boys) = 20 boys

Therefore, the number of boys to be added = 10

**9. If in the word AVAILABLE all the vowels are changed to next letter according to English alphabet and all consonants are changed to the previous letter according to English alphabet and then the order is reversed, then which letter is 3rd from the right end of the word?**

A. B

B. K

C. A

D. U

**Answer - A. B**

**Explanation:**

AVAILABLE

BUBFKBAKF

Reversed = FKABKFBUB

Therefore, From the right end of the word " B" is the third one.

**10. If ZINGS is written as MDGCI in a certain code, how is LUNCH written in that code?**



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- A. FJGBD
- B. FJGAD
- C. FJGAE
- D. FJGZD

**Answer - B. FJGAD**

**Explanation:**

Each letter is halved, and if it comes in 0.5, then previous letter written

Then

$$L(12) - 12/2 = 6(F)$$

$$U(21) - 21/2 = 10.5 = 10(J)$$

$$N(14) - 14/2 = 7(G)$$

$$C(3) - 3/2 = 1.5 = 1(A)$$

$$H(8) - 8/2 = 4(D)$$

**Directions (11-15):** Study the following arrangement and answer the given question

**S E 3 ^ F 1 & 7 U N 8 @ Z 9 L 5 % X 4 G # J 6 D ! C V \$**

11. Four of the following are alike in some manner, find out the one which doesn't belong to the group?

- A. F&^
- B. 5XL
- C. D!J
- D. N@U

**Answer – C. D!J**

**Explanation:**

forward (+2) and backward (- 1)

Then D!J (+1, -1)

12. If all the numbers are dropped from the above sequence then which of the following is 7th to right of 15th from the left end.

- A. J
- B. 8
- C. D
- D. N

**Answer – A. J**



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**Explanation:**

15th from the left end – L, then

7th to the right of L is J

**13. How many such numbers are there in the above arrangement each of which is immediately preceded by symbol and immediately followed by a letter?**

- A. three
- B. more than three
- C. one
- D. two

**Answer – C.one**

**Explanation:**

If you observe, those are &7U

**14. How many such symbols are there which are immediately followed by a letter and immediately preceded by number?**

- A. three
- B. two
- C. one
- D. zero

**Answer – A. three**

**Explanation:**

If you observe the given sequence, those are 3^F, 8@Z, 5%X

**15. Four of the following are alike in some manner, find out the one which doesn't belong to the group?**

- A. EFS
- B. X#4
- C. 78U
- D. 89@

**Answer – A. EFS**

**Explanation:**

In forward direction first + 3 then +1.



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